

**UNITED STATES DISTRICT COURT  
WESTERN DISTRICT OF TEXAS  
WACO DIVISION**

SOLAS OLED LTD., an Irish corporation,

Plaintiff,

v.

LG DISPLAY CO., LTD., a Korean corporation; LG ELECTRONICS, INC., a Korean corporation; and SONY CORPORATION, a Japanese corporation,

Defendants.

CASE NO. 6:19-CV-00236-ADA

JURY TRIAL DEMANDED

**ANSWER AND COUNTERCLAIMS OF DEFENDANT  
LG ELECTRONICS, INC. TO PLAINTIFF'S SECOND AMENDED COMPLAINT**

Defendant LG Electronics, Inc. ("LG Electronics") answers each paragraph of the Second Amended Complaint of Solas OLED Ltd. ("Solas" or "Plaintiff"), alleging infringement of U.S. Patent Nos. 7,432,891, 7,573,068, and 7,907,137 (collectively, the "Patents-in-Suit"), and provides defenses and counterclaims as follows:

**ANSWER**

1. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegations of paragraph 1 including the preceding heading, and, on that basis, denies them.

2. LG Electronics admits that a copy of a document purporting to be U.S. Patent No. 7,432,891 is attached to the Second Amended Complaint. LG Electronics admits that a copy of a document purporting to be U.S. Patent No. 7,573,068 (the "'068 patent") is attached to the Second Amended Complaint. LG Electronics admits that a copy of a document purporting to be U.S. Patent No. 7,907,137 (the "'137 patent") is attached to the Second Amended Complaint. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the

remaining allegations of paragraph 2, and, on that basis, denies them.

3. LG Electronics admits that LG Electronics is a corporation organized under the laws of the Republic of Korea. LG Electronics admits that LG Display Co., Ltd. (“LG Display”) is a corporation organized under the laws of the Republic of Korea. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the remaining allegations of paragraph 3 including the preceding heading, and, on that basis, denies them.

4. LG Electronics admits that Plaintiff purports to identify general categories of accused products in paragraph 4. Except as expressly admitted, LG Electronics denies the remaining allegations, if any, contained in paragraph 4.

5. LG Electronics admits that it designs, produces, and sells products incorporating LG Display OLED display panels. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the remaining allegations of paragraph 5, and, on that basis, denies them.

6. LG Electronics admits that this Court has subject matter jurisdiction over Plaintiff’s claims made pursuant to 35 U.S.C. §§ 271 and 281, *et seq.* LG Electronics denies that it has committed or is committing any act of patent infringement within this or any other District. Except as expressly admitted, LG Electronics denies the remaining allegations, if any, contained in paragraph 6 including the preceding heading.

7. For purposes of this action only, LG Electronics will not dispute personal jurisdiction of this Court. LG Electronics denies that it has committed or is committing any act of patent infringement within this or any other District. Except as expressly admitted, LG Electronics denies the remaining allegations, if any, contained in paragraph 7.

8. LG Electronics admits that it designs, produces, and sells products incorporating LG Display OLED display panels. LG Electronics is without knowledge or information sufficient to form a belief as to products designed, sold or produced by Sony, and denies any allegations regarding them on that basis. Except as expressly admitted, LG Electronics denies the remaining allegations contained in paragraph 8.

9. LG Electronics admits that it and LG Display are Korean corporations. For purposes of this action only, LG Electronics will not dispute whether venue is proper in this Court under 28 U.S.C. § 1391(c)(3). No response is otherwise required to paragraph 9. To the extent that the Court deems a response necessary, LG Electronics denies the allegations, if any, contained in paragraph 9.

10. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegations of paragraph 10 including the preceding heading, and, on that basis, denies them.

11. LG Electronics is without knowledge or information regarding the origin of the purported “image and circuit diagram” in paragraph 11 and, at least on that basis, denies that the purported “image and circuit diagram” is an accurate representation of the accused products. Except as expressly admitted, LG Electronics denies the remaining allegations contained in paragraph 11.

12. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegations of paragraph 12, and, on that basis, denies them.

13. No response is required to paragraph 13 including its preceding heading. To the extent that the Court deems a response necessary, LG Electronics incorporates by reference its responses to paragraphs 1 through 12 of the Second Amended Complaint as set forth above.

14. LG Electronics admits the allegations contained in paragraph 14.

15. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegations of paragraph 15, and, on that basis, denies them.

16. Denied.

17. LG Electronics denies that the LG OLED55B7A OLED Television infringes any claim of the ’891 patent. LG Electronics is without knowledge or information sufficient to form a belief as to any allegations regarding the Sony Bravia 55A1 OLED Television and, on that basis, denies them. LG Electronics denies the remaining allegations contained in paragraph 17.

18. Denied.

19. LG Electronics admits that the '891 patent purports to claim priority to foreign application DE10254511. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the remaining allegations of paragraph 19, and, on that basis, denies them.

20. LG Electronics admits that KR100768047B1 is a Korean patent titled "OLED display apparatus and drive method thereof" that cites DE10254511B4 and identifies "LG.PHILIPS LCD CO., LTD" as the applicant and a filing date of November 30, 2005. LG Electronics admits that KR101200884B1 is a Korean patent titled "Light emitting diode and light emitting display device and method for driving the same" that cites KR100580956B1 and identifies "LG DISPLAY CO., LTD." as the applicant and a filing date of June 14, 2006. LG Electronics admits that KR101390316B1 is a Korean patent titled "AMOLED and driving method thereof" that cites KR20040045352A and identifies "LG DISPLAY CO., LTD" as the applicant and a filing date of October 30, 2007. LG Electronics admits that KR101597037B1 is a Korean patent titled "Organic light emitting display for compensating electrical characteristics deviation of driving element" that cites DE10254511B4 and identifies "LG Display Co., Ltd." as the applicant and a filing date of June 26, 2014. Except as expressly admitted, LG Electronics denies the remaining allegations, if any, contained in paragraph 20.

21. Denied.

22. LG Electronics admits that it has invested in LG Display. LG Electronics admits that it has prepared and prosecuted patent applications. LG Electronics denies that the '891 patent is relevant to the products designed by LG Electronics. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the remaining allegations of paragraph 22, and, on that basis, denies them.

23. Denied.

24. LG Electronics admits that JP5278119B2 is a Japanese Patent titled "Method of driving a display device" that cites DE10254511A and identifies "SONY CORP" as the applicant and a filing date of April 2, 2009. LG Electronics is without knowledge or information sufficient

to form a belief as to the truth of the remaining allegations of paragraph 24, and, on that basis, denies them.

25. Denied.

26. Denied.

27. LG Electronics denies that it supplies OLED display panels that are incorporated in the Sony Bravia 55A1 OLED Television. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegation that LG Display supplies OLED display panels that are incorporated in the Sony Bravia 55A1 OLED Television, and, on that basis, denies that allegation. Except as expressly admitted, LG Electronics denies the remaining allegations contained in paragraph 27.

28. Denied.

29. Denied.

30. No response is required to paragraph 30 including the preceding heading. To the extent that the Court deems a response necessary, LG Electronics incorporates by reference its responses to paragraphs 1 through 29 of the Second Amended Complaint as set forth above.

31. LG Electronics admits the allegations contained in paragraph 31.

32. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegations of paragraph 32, and, on that basis, denies them.

33. Denied.

34. LG Electronics denies that the LG OLED55B7A OLED Television infringes any claim of the '068 patent. LG Electronics is without knowledge or information sufficient to form a belief as to any allegations regarding the Sony Bravia 55A1 OLED Television, Sony Trimaster EL PVM-A250 OLED Monitor or the Sony Electronic Viewfinder FDA-EV1MK and, on that basis, denies them. LG Electronics denies the remaining allegations contained in paragraph 34.

35. Denied.

36. LG Electronics admits that US10,103,212B2 is a United States Patent titled "Display device, method of manufacturing the same, and electronic apparatus" that cites

US2006/0098521A1 and identifies “Sony Corporation” as the applicant and a filing date of July 16, 2014. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the remaining allegations of paragraph 36, and, on that basis, denies them.

37. Denied.

38. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegations of paragraph 38, and, on that basis, denies them.

39. Denied.

40. LG Electronics admits that it has invested in LG Display. LG Electronics admits that it has prepared and prosecuted patent applications. LG Electronics denies that the ’068 patent is relevant to the products designed by LG Electronics. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the remaining allegations of paragraph 40, and, on that basis, denies them.

41. Denied.

42. Denied.

43. LG Electronics denies that it supplies OLED display panels that are incorporated in the Sony Bravia 55A1 OLED Television. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegations that LG Display supplies OLED display panels that are incorporated in the Sony Bravia 55A1 OLED Television, and, on that basis, denies them. Except as expressly admitted, LG Electronics denies the remaining allegations contained in paragraph 43.

44. Denied.

45. Denied.

46. No response is required to paragraph 46 including the preceding heading. To the extent that the Court deems a response necessary, LG Electronics incorporates by reference its responses to paragraphs 1 through 45 of the Second Amended Complaint as set forth above.

47. LG Electronics admits the allegations contained in paragraph 47.

48. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegations of paragraph 48, and, on that basis, denies them.

49. Denied.

50. LG Electronics denies that the LG OLED55B7A OLED Television infringes any claim of the '137 patent. LG Electronics is without knowledge or information sufficient to form a belief as to any allegations regarding the Sony Bravia 55A1 OLED Television and, on that basis, denies them. LG Electronics denies the remaining allegations contained in paragraph 50.

51. Denied.

52. LG Electronics admits that US10,062,327 is a United States Patent titled "Data driver and organic light emitting display panel, display device, and driving method for sensing and compensating a mobility of the driving transistor" that cites US2006/0221015A1 and identifies "LG Display Co. Ltd." as the applicant and a filing date of May 27, 2016. LG Electronics denies the remaining allegations of paragraph 52.

53. Denied.

54. LG Electronics admits that it has invested in LG Display. LG Electronics admits that it has prepared and prosecuted patent applications. LG Electronics denies that the '137 patent is relevant to the products designed by LG Electronics. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the remaining allegations of paragraph 54, and, on that basis, denies them.

55. Denied.

56. LG Electronics admits that US8345027B2 is a United States Patent titled "Image display device and driving method of image display device" that cites US2006/0221015A1 and identifies "Sony Corporation" as the assignee and a filing date of March 4, 2009. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the remaining allegations of paragraph 56, and, on that basis, denies them.

57. Denied.

58. Denied.

59. LG Electronics denies that it supplies OLED display panels that are incorporated in the Sony Bravia 55A1 OLED Television. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegation that LG Display supplies OLED display panels that are incorporated in the Sony Bravia 55A1 OLED Television, and, on that basis, denies that allegation. Except as expressly admitted, LG Electronics denies the remaining allegations contained in paragraph 59.

60. Denied.

61. Denied.

62. No response is required to paragraph 62 including the preceding heading. To the extent that the Court deems a response necessary, LG Electronics incorporates by reference its responses to paragraphs 1 through 61 of the Second Amended Complaint as set forth above.

63. LG Electronics denies that Solas is entitled to any relief because none of the asserted patents are valid, enforceable, or infringed.

64. No response is required to paragraph 64 including the preceding heading. To the extent that the Court deems a response necessary, LG Electronics incorporates by reference its responses to paragraphs 1 through 63 of the Second Amended Complaint as set forth above.

65. LG Electronics denies that Solas is entitled to any injunctive relief because none of the asserted patents are valid, enforceable, or infringed.

66. No response is required to paragraph 66 including the preceding heading. To the extent that the Court deems a response necessary, LG Electronics incorporates by reference its responses to paragraphs 1 through 65 of the Second Amended Complaint as set forth above.

67. LG Electronics denies that Solas is entitled to any relief because none of the asserted patents are valid, enforceable, or infringed.

68. No response is required to paragraph 68 including the preceding heading. To the extent that the Court deems a response necessary, LG Electronics incorporates by reference its responses to paragraphs 1 through 67 of the Second Amended Complaint as set forth above.

69. LG Electronics is without knowledge or information sufficient to form a belief as to the truth of the allegations of paragraph 69, and, on that basis, denies them.

70. LG Electronics also demands a trial by jury on all issues so triable.

71. Except as expressly admitted above, LG Electronics denies each and every allegation in Solas' Second Amended Complaint for Patent Infringement. In addition, LG Electronics denies any allegation that may be implied or inferred from the headings in the Second Amended Complaint.

72. LG Electronics denies that Solas is entitled to any relief in this action.

### **DEFENSES**

LG Electronics asserts the following additional defenses without assuming the burden of proof on any issue that LG Electronics would not have otherwise, including without admitting or acknowledging that it bears the burden of proof as to any of them. LG Electronics incorporates the admissions and denials in paragraphs 1 through 72, above.

#### **FIRST DEFENSE**

73. LG Electronics does not infringe, and has not infringed (either directly, contributorily, or by inducement), either literally or under the doctrine of equivalents, and is not liable for infringement of any valid and enforceable claim of the Patents-in-Suit.

#### **SECOND DEFENSE**

74. Each claim of the Patents-in-Suit is invalid for failure to satisfy one or more of the conditions of patentability, including without limitation those set forth in 35 U.S.C. §§ 101, 102, 103, and/or 112.

#### **THIRD DEFENSE**

75. Solas' claims are barred in whole or in part by the doctrine of disclaimer.

#### **FOURTH DEFENSE**

76. Solas' claims are barred in whole or in part by the doctrine of prosecution history estoppel.

#### **FIFTH DEFENSE**

77. Plaintiff is not entitled to enhanced damages under 35 U.S.C. § 284, at least because Plaintiff has failed to show, and cannot show, that LG Electronics has intentionally, willfully, or deliberately infringed any valid and enforceable claim of the Patents-in-Suit.

#### **SIXTH DEFENSE**

78. Solas' claim for damages is barred, in whole or in part, by 35 U.S.C. § 286.

#### **SEVENTH DEFENSE**

79. Solas' request for a permanent injunction is barred in whole or in part by the doctrine of laches.

#### **EIGHTH DEFENSE**

80. Solas' claims are barred in whole or in part by a failure of the owner and/or licensee of the Patents-in-Suit to mark relevant products as required by 35 U.S.C. § 287.

#### **NINTH DEFENSE**

81. To the extent that Solas' claims are directed to acts occurring outside the United States, those claims for relief are barred or limited by the doctrine of territoriality by 35 U.S.C. § 271 et seq., including but not limited to § 271(a) and (c).

#### **OTHER DEFENSES RESERVED**

82. LG Electronics reserves the right to assert additional defenses if such defenses are discovered during litigation.

#### **COUNTERCLAIMS**

For its counterclaims, LG Electronics alleges:

#### **PARTIES**

1. LG Electronics is a Korean corporation organized under the laws of Korea, with its principal place of business in LG Twin Tower 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, South Korea.

2. Solas is a corporation organized and existing under the laws of Ireland, with its headquarters at 4-5 Burton Hall Road, Sandyford, Dublin 18.

### **JURISDICTION AND VENUE**

3. This is an action for patent infringement under the patent laws of the United States, including 35 U.S.C. §§ 271 and 281 *et seq.*

4. Solas is subject to personal jurisdiction, and venue is proper as to Solas in this district.

### **FIRST COUNTERCLAIM**

#### *Declaration of Non-infringement of the '891 Patent*

5. LG Electronics incorporates paragraphs 1 through 4, above.

6. Solas alleges it is the owner of the '891 patent.

7. Solas has asserted the '891 patent against LG Electronics in this action, alleging that LG Electronics has infringed and/or infringes, directly and/or indirectly, the '891 patent.

8. LG Electronics has not infringed and does not infringe, directly or indirectly, any claim of the '891 patent.

9. For example, and without limitation, LG Electronics does not infringe claim 1 of the '891 patent because the accused products do not comprise “feedback coupling” or a “third thin film transistor which during driving its gate through a driving conductor taps a diode driving current at an output of said first current-driving transistor and supplies a current measuring- and voltage regulating circuit, said current measuring- and voltage regulating circuit providing to the data conductor a voltage signal which is dependent on a current measuring result and a voltage comparison, so that the diode during driving of said gate of said third transistor due to its non-linear switching characteristic acts as a switch for a current deviation in said current measuring- and voltage regulating circuit.”

10. An actual case and controversy exists between Solas and LG Electronics based on Solas having alleged infringement of the '891 patent, and that controversy is ripe for adjudication by this Court.

11. To resolve the legal and factual questions raised by Solas and to afford relief from the uncertainty and controversy that Solas' accusations have caused, LG Electronics is entitled to a declaratory judgment that it does not infringe and has not infringed any claim of the '891 patent.

### **SECOND COUNTERCLAIM**

#### *Declaration of Invalidity of the '891 Patent*

12. LG Electronics incorporates paragraphs 1 through 11, above.

13. Solas alleges that the claims of the '891 patent are valid and enforceable.

14. Each of the claims of the '891 patent is invalid for failure to comply with one or more requirements of the patent laws of the United States, including but not limited to 35 U.S.C. §§ 101, 102, 103, and 112.

15. For example, and without limitation, the claims of the '891 patent, including claim 1, are rendered obvious by U.S. Patent Application Publication No. 2002/0101172 to Bu alone or in combination with other prior art and/or the knowledge of a person of ordinary skill in the art.

16. Furthermore, the claims of the '891 patent are invalid under 35 U.S.C. § 101 at least because they are directed to the abstract idea of regulating an input using measurement-based feedback, and lack an inventive concept that could transform those claims into a patentable invention.

17. An actual case and controversy exists between Solas and LG Electronics based on Solas having alleged infringement of the '891 patent, and that controversy is ripe for adjudication by this Court.

18. To resolve the legal and factual questions raised by Solas and to afford relief from the uncertainty and controversy that Solas' accusations have caused, LG Electronics is entitled to a declaratory judgment that one or more claims of the '891 patent are invalid.

### **THIRD COUNTERCLAIM**

#### *Declaration of Non-infringement of the '068 Patent*

19. LG Electronics incorporates paragraphs 1 through 18, above.

20. Solas alleges it is the owner of the '068 patent.

21. Solas has asserted the '068 patent against LG Electronics in this action, alleging that LG Electronics has infringed and/or infringes, directly and/or indirectly, the '068 patent.

22. LG Electronics has not infringed and does not infringe, directly or indirectly, any claim of the '068 patent.

23. For example, and without limitation, LG Electronics does not infringe claim 13 of the '068 patent because the accused products do not comprise “a plurality of feed interconnections” or “a plurality of supply lines which are patterned together with the sources and drains of said plurality of driving transistors and arrayed to cross said plurality of signal lines via the gate insulating film, one of the source and the drain of each of driving transistors being electrically connected to one of the supply lines.”

24. An actual case and controversy exists between Solas and LG Electronics based on Solas having alleged infringement of the '068 patent, and that controversy is ripe for adjudication by this Court.

25. To resolve the legal and factual questions raised by Solas and to afford relief from the uncertainty and controversy that Solas' accusations have caused, LG Electronics is entitled to a declaratory judgment that it does not infringe and has not infringed any claim of the '068 patent.

#### **FOURTH COUNTERCLAIM**

##### *Declaration of Invalidity of the '068 Patent*

26. LG Electronics incorporates paragraphs 1 through 25, above.

27. Solas alleges that the claims of the '068 patent are valid and enforceable.

28. Each of the claims of the '068 patent is invalid for failure to comply with one or more requirements of the patent laws of the United States, including but not limited to 35 U.S.C. §§ 102, 103, and 112.

29. For example, and without limitation, the claims of the '068 patent are rendered obvious by PCT Patent Application No. WO 03/079441 to Childs, alone or in combination with other prior art and/or the knowledge of a person of ordinary skill in the art.

30. An actual case and controversy exists between Solas and LG Electronics based on Solas having alleged infringement of the '068 patent, and that controversy is ripe for adjudication by this Court.

31. To resolve the legal and factual questions raised by Solas and to afford relief from the uncertainty and controversy that Solas' accusations have caused, LG Electronics is entitled to a declaratory judgment that one or more claims of the '068 patent are invalid.

#### **FIFTH COUNTERCLAIM**

##### *Declaration of Non-infringement of the '137 Patent*

32. LG Electronics incorporates paragraphs 1 through 31, above.

33. Solas alleges it is the owner of the '137 patent.

34. Solas has asserted the '137 patent against LG Electronics in this action, alleging that LG Electronics has infringed and/or infringes, directly and/or indirectly, the '137 patent.

35. LG Display has not infringed and does not infringe, directly or indirectly, any claim of the '137 patent.

36. For example, and without limitation, LG Electronics does not infringe claim 10 of the '137 patent because the accused products do not comprise “a gradation signal generation circuit which generates a gradation current having a current value for allowing the optical element to perform a light emitting operation at a luminance corresponding to a luminance gradation of the display data, as a gradation signal corresponding to the luminance gradation of the display data, and supplies the gradation current to the display pixel through a data line connected to the display pixel” or “a threshold voltage detection circuit which detects a threshold voltage peculiar to the drive element of the display pixel through the data line.”

37. An actual case and controversy exists between Solas and LG Electronics based on Solas having alleged infringement of the '137 patent, and that controversy is ripe for adjudication by this Court.

38. To resolve the legal and factual questions raised by Solas and to afford relief from the uncertainty and controversy that Solas' accusations have caused, LG Electronics is entitled to a declaratory judgment that it does not infringe and has not infringed any claim of the '137 patent.

### **SIXTH COUNTERCLAIM**

#### *Declaration of Invalidity of the '137 Patent*

39. LG Electronics incorporates paragraphs 1 through 38, above.

40. Solas alleges that the claims of the '137 patent are valid and enforceable.

41. Each of the claims of the '137 patent is invalid for failure to comply with one or more requirements of the patent laws of the United States, including but not limited to 35 U.S.C. §§ 102, 103, and 112.

42. For example, and without limitation, each and every claim of the '137 patent is invalid under 35 U.S.C. §§ 102 and/or 103 as anticipated and/or rendered obvious by U.S. Patent No. 7,358,941 to Ono alone or in combination with other prior art and/or the knowledge of a person of ordinary skill in the art.

43. An actual case and controversy exists between Solas and LG Electronics based on Solas having alleged infringement of the '137 patent, and that controversy is ripe for adjudication by this Court.

44. To resolve the legal and factual questions raised by Solas and to afford relief from the uncertainty and controversy that Solas' accusations have caused, LG Electronics is entitled to a declaratory judgment that one or more claims of the '137 patent are invalid.

### **REQUEST FOR RELIEF**

45. LG Electronics respectfully requests the following relief:

- A. That Solas take nothing on its Complaint;
- B. That the Court dismiss each and every claim related to LG Electronics in Solas' Complaint with prejudice;

- C. A declaration that LG Electronics has not infringed and does not infringe, literally or under the doctrine of equivalents, directly or indirectly, any valid enforceable claim of the '891 patent;
- D. A declaration that the '891 patent is invalid;
- E. That the Court limit or bar Solas' ability to enforce the '891 patent in equity;
- F. A declaration that LG Electronics has not infringed and does not infringe, literally or under the doctrine of equivalents, directly or indirectly, any valid enforceable claim of the '068 patent;
- G. A declaration that the '068 patent is invalid;
- H. That the Court limit or bar Solas' ability to enforce the '068 patent in equity;
- I. A declaration that LG Electronics has not infringed and does not infringe, literally or under the doctrine of equivalents, directly or indirectly, any valid enforceable claim of the '137 patent;
- J. A declaration that the '137 patent is invalid;
- K. That the Court limit or bar Solas' ability to enforce the '137 patent in equity;
- L. That the Court declare that this case is exceptional under 35 U.S.C. § 285 and award to LG Electronics its reasonable costs and expenses of litigation, including attorneys' fees, expert witness fees, and other expenses incurred in connection with this action;
- M. That the Court grant LG Electronics pre-judgment and post-judgment interest on all amounts awarded; and
- N. That the Court award LG Electronics any other and further relief the Court may deem just and proper.

**JURY DEMAND**

46. LG Electronics demands a trial by jury on all issues so triable.

Respectfully submitted,

/s/ Jennifer H. Doan

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**ATTORNEYS FOR DEFENDANTS  
LG DISPLAY CO., LTD.; LG  
ELECTRONICS, INC.; and SONY  
CORPORATION**

**CERTIFICATE OF SERVICE**

The undersigned certifies that on the 28<sup>th</sup> day of October, 2019, I electronically filed this document with the Clerk of Court via the Court's CM/ECF system which will send notification of such filing to all counsel of record, all of whom have consented to electronic service in this action.

/s/ Jennifer H. Doan  
Jennifer H. Doan